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**From:** Orme-Zavaleta, Jennifer [Orme-Zavaleta.Jennifer@epa.gov]  
**Sent:** 12/7/2017 2:05:35 PM  
**To:** Sinks, Tom [Sinks.Tom@epa.gov]; Grevatt, Peter [Grevatt.Peter@epa.gov]; Beck, Nancy [Beck.Nancy@epa.gov]; Raffaele, Kathleen [raffaele.kathleen@epa.gov]; Bertrand, Charlotte [Bertrand.Charlotte@epa.gov]  
**Subject:** RE: ATSDR Draft PFAS Tox Profile

The main issues for discussion are response to agency cmts, and immunotox. We need to make sure we cover those to understand differences and if we can come to agreement on the science

Jennifer Orme-Zavaleta, PhD  
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**From:** Sinks, Tom  
**Sent:** Thursday, December 07, 2017 8:39 AM  
**To:** Grevatt, Peter <Grevatt.Peter@epa.gov>; Beck, Nancy <Beck.Nancy@epa.gov>; Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; Raffaele, Kathleen <raffaele.kathleen@epa.gov>; Bertrand, Charlotte <Bertrand.Charlotte@epa.gov>  
**Cc:** Sinks, Tom <Sinks.Tom@epa.gov>  
**Subject:** FW: ATSDR Draft PFAS Tox Profile

FYI re ATSDR. Let me know if you are OK with the draft agenda (highlighted).  
Once I get some times for the week of the 17<sup>th</sup> – I will notify all the names you have sent me.

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**From:** Sinks, Tom  
**Sent:** Thursday, December 07, 2017 8:30 AM  
**To:** Carroll, Yulia (CDC/ONDIEH/NCEH) <[eya3@cdc.gov](mailto:eya3@cdc.gov)>; Breyse, Patrick N. (CDC/ONDIEH/NCEH) <[pjb7@cdc.gov](mailto:pjb7@cdc.gov)>  
**Cc:** Decker, John A. (CDC/ONDIEH/NCEH) <[jad4@cdc.gov](mailto:jad4@cdc.gov)>; Jones, Vivian K. (CDC/ONDIEH/NCEH) (CTR) <[buo1@cdc.gov](mailto:buo1@cdc.gov)>; Sinks, Tom <[Sinks.Tom@epa.gov](mailto:Sinks.Tom@epa.gov)>  
**Subject:** RE: ATSDR Draft PFAS Tox Profile

Thanks for contacting me Yulia. Hope all is well. It is too late for me to coordinate this for Monday or Tuesday next week. Scientists from ORD and our programs (OCSSP/OPPT, OW, and OLEM) will want to be on the call. I suggest we block out 2 hours the week of the 17<sup>th</sup>. Send me some blocks of time and I will work from that. It would be great to do this by video conference.

My suggestion for the agenda would be to cover ...

Introductions  
Summary ATSDR methods used to derive the MRL  
Response to EPA scientists' comments  
Questions to, and comments from, peer reviewers  
Comments and response to other agencies  
ATSDR guidance to health assessors using the MRLs in finished drinking water versus the EPA Health Advisory.

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**From:** Carroll, Yulia (CDC/ONDIEH/NCEH) [<mailto:eya3@cdc.gov>]

**Sent:** Wednesday, December 06, 2017 4:53 PM

**To:** Breyse, Patrick N. (CDC/ONDIEH/NCEH) <[pjb7@cdc.gov](mailto:pjb7@cdc.gov)>; Sinks, Tom <[Sinks.Tom@epa.gov](mailto:Sinks.Tom@epa.gov)>

**Cc:** Decker, John A. (CDC/ONDIEH/NCEH) <[jad4@cdc.gov](mailto:jad4@cdc.gov)>; Jones, Vivian K. (CDC/ONDIEH/NCEH) (CTR) <[buo1@cdc.gov](mailto:buo1@cdc.gov)>

**Subject:** RE: ATSDR Draft PFAS Tox Profile

Hi Tom,

Hope you are doing well! We are available next Monday and Tuesday (December 11 and 12), at 4:15 pm. If this time doesn't work for you, what days/ times are good for the week of December 17<sup>th</sup>? Also, do you have an agenda for the meeting?

Thank you and looking forward to talking to you again!

Yulia

*Yulia Iossifova Carroll, MD, PhD  
Office of Science, NCEH/ATSDR*

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**From:** Breyse, Patrick N. (CDC/ONDIEH/NCEH)

**Sent:** Tuesday, December 5, 2017 11:29 AM

**To:** 'sinks.tom@epa.gov' <[sinks.tom@epa.gov](mailto:sinks.tom@epa.gov)>

**Cc:** Decker, John A. (CDC/ONDIEH/NCEH) <[jad4@cdc.gov](mailto:jad4@cdc.gov)>; Carroll, Yulia (CDC/ONDIEH/NCEH) <[eya3@cdc.gov](mailto:eya3@cdc.gov)>; Jones, Vivian K. (CDC/ONDIEH/NCEH) (CTR) <[buo1@cdc.gov](mailto:buo1@cdc.gov)>

**Subject:** FW: ATSDR Draft PFAS Tox Profile

Tom: Not sure if we have ever met - regardless I look forward to having meeting to discuss our upcoming PFAS Profile. I will ask my Office of Science to coordinate from our end. You should be hearing from them shortly.

Pat

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**From:** Orme-Zavaleta, Jennifer [<mailto:Orme-Zavaleta.Jennifer@epa.gov>]

**Sent:** Tuesday, November 28, 2017 8:57 AM

**To:** Breyse, Patrick N. (CDC/ONDIEH/NCEH) <[pjb7@cdc.gov](mailto:pjb7@cdc.gov)>

**Cc:** Ikeda, Robin (CDC/ONDIEH/OD) <[rmi0@cdc.gov](mailto:rmi0@cdc.gov)>; Drinkard, Andrea <[Drinkard.Andrea@epa.gov](mailto:Drinkard.Andrea@epa.gov)>; Beck, Nancy <[Beck.Nancy@epa.gov](mailto:Beck.Nancy@epa.gov)>; Grevatt, Peter <[Grevatt.Peter@epa.gov](mailto:Grevatt.Peter@epa.gov)>; Raffaele, Kathleen <[raffaele.kathleen@epa.gov](mailto:raffaele.kathleen@epa.gov)>; Flowers, Lynn <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Rodan, Bruce <[rodan.bruce@epa.gov](mailto:rodan.bruce@epa.gov)>; Yamada, Richard (Yujiro) <[yamada.richard@epa.gov](mailto:yamada.richard@epa.gov)>; Hubbard, Carolyn <[Hubbard.Carolyn@epa.gov](mailto:Hubbard.Carolyn@epa.gov)>; Orme-Zavaleta, Jennifer <[Orme-Zavaleta.Jennifer@epa.gov](mailto:Orme-Zavaleta.Jennifer@epa.gov)>

**Subject:** ATSDR Draft PFAS Tox Profile

Dear Pat,

I want to thank you for the 11/13/2017 email from Henry Abadin and Janine Cory requesting EPA begin cross-Agency coordination with ATSDR on communications related to the pending release of your draft PFAS Toxicologic Profile for public comment. While coordination on communications is important, EPA believes it essential that ATSDR and EPA discuss the science underlying your draft document prior to coordinating communications related to the release.

I ask that you not release your draft document until EPA and ATSDR scientists have had the opportunity to meet and discuss the science and recommend next steps to their respective leadership. Coordination of communications should

follow such a discussion. Ideally this will result in a harmonized approach that provides the public a clear and consistent message regarding the safety of drinking water contaminated with these compounds, regardless of its source.

EPA scientists can be available to meet as soon as next week. To coordinate a meeting please contact Tom Sinks in EPA's Office of the Science Advisor ([sinks.tom@epa.gov](mailto:sinks.tom@epa.gov) 202 564-3099).

#### **Background**

In May, 2016 EPA issued a Health Advisory for PFOA and PFOS concentrations in drinking water. On May 31, 2017 we received a preliminary draft ATSDR Toxicologic profile for 14 PFAS chemicals - 12 monitored by NCEH in NHANES and two other compounds monitored elsewhere. Draft ATSDR Minimal Risk Levels (MRLs) were provided for PFOA (oral intermediate value), PFOS (oral intermediate value), PFHxSa (oral intermediate value), and PFNA (oral intermediate value). An EPA scientist (Bob Benson) participated in the ATSDR MRL working group on 6/22/2017. EPA provided comments from our scientists to ATSDR during June 2017.

#### **Deliberative Process / Ex. 5**

# **Deliberative Process / Ex. 5**

We understand that a letter peer review was conducted by ATSDR, but EPA has not seen the questions provided to the peer reviewers, and we have not seen any response to EPA comments or those of the Peer Reviewers who examined the draft PFAS Toxicologic Profile. This information will provide an initial basis for a scientist-to-scientist meeting with ATSDR on PFAS toxicity.

Thank you for your attention to this matter. As always, we appreciate our excellent working relationship with CDC and ATSDR as we both strive to protect the public from environmental health issues.

jennifer

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